

FIG. 1

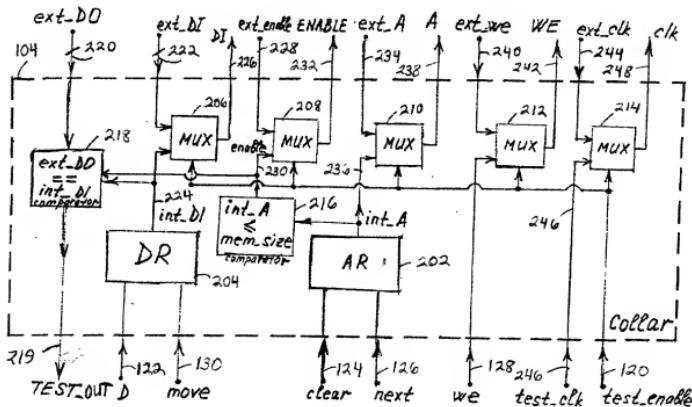


FIG. 2

10027311-122101

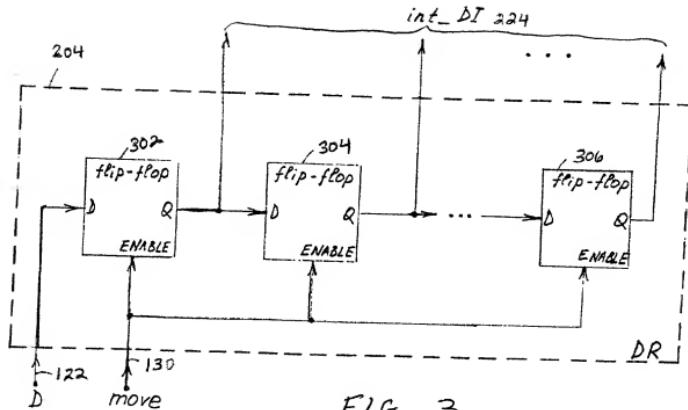


FIG. 3

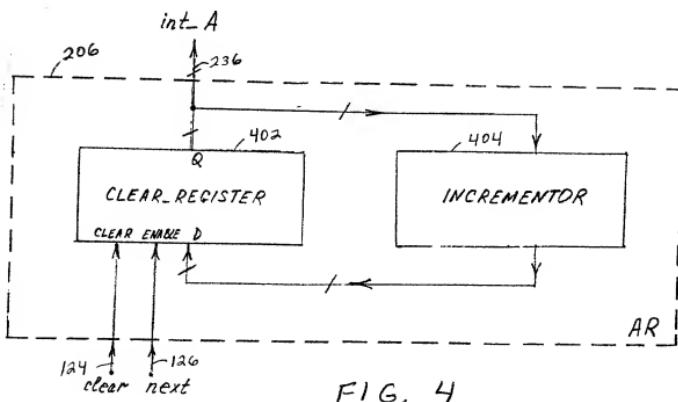


FIG. 4

1002734.1-122101

500

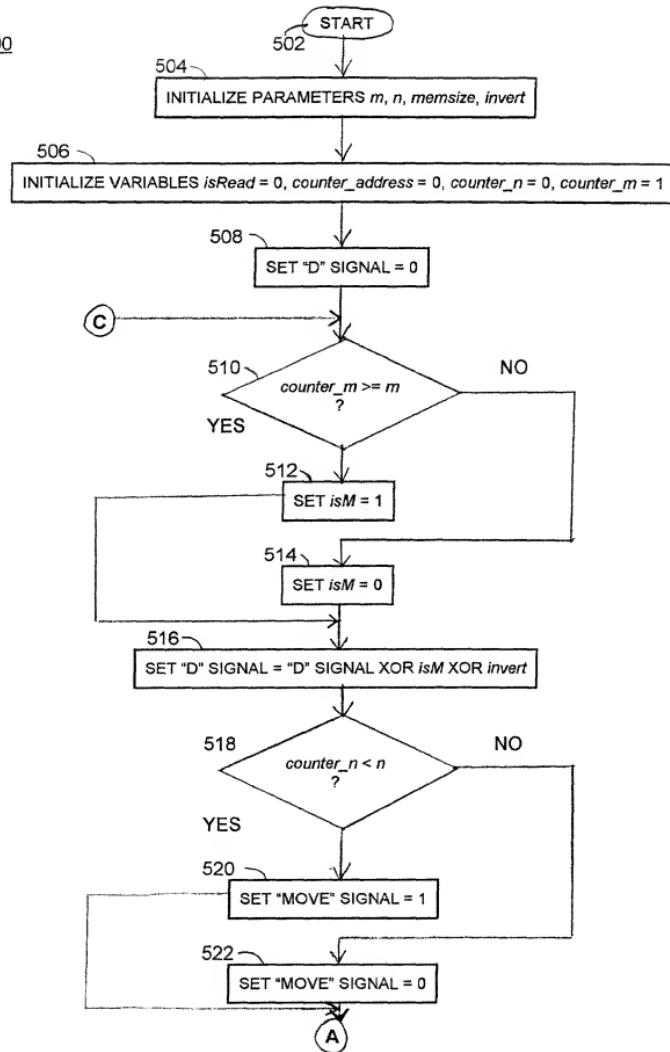


FIG. 5A

10027314-122101

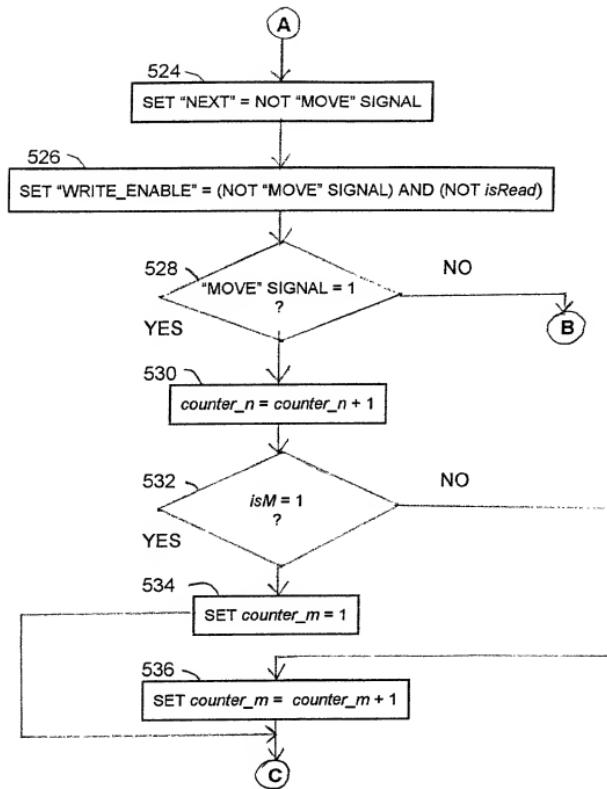


FIG. 5B

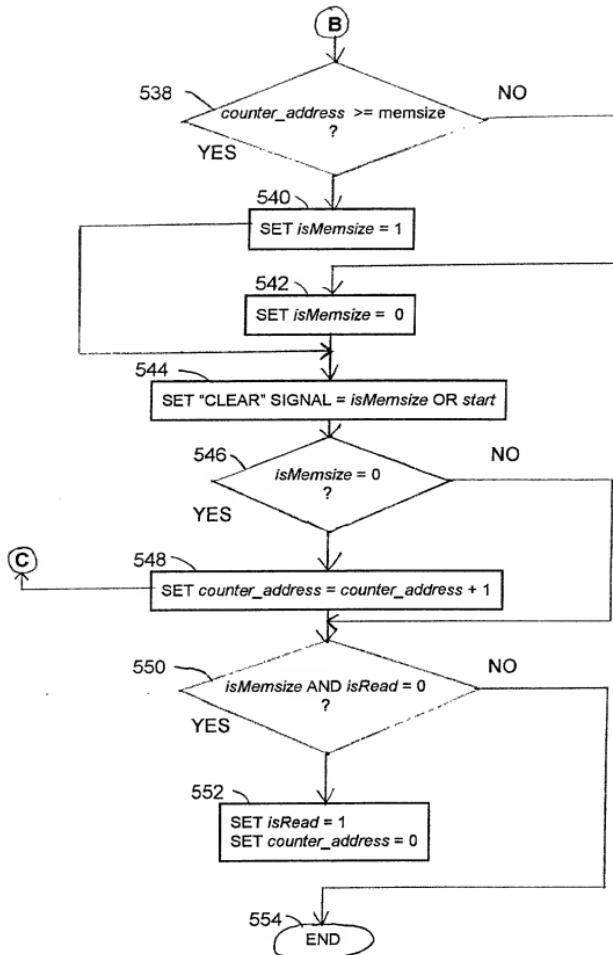


FIG. 5C

	fill DR (n steps)	memory write (memsize steps)	memory read (memsize steps)
clear	1 0 0 ... 0	0 0 ... 0	1 0 ... 0
move	1 1 1 ... 1	0 0 ... 0	0 0 ... 0
next	0 0 0 ... 0	1 1 ... 1	1 1 ... 1
we	0 0 0 ... 0	1 1 ... 1	0 0 ... 0
D	0 ... 0 1 ... 1 0 ... 0	α is M ... α is M	α is M ... α is M

FIG. 6

	fill DR (n steps)	memory write (memsize + $\lfloor \frac{memsize}{K} \rfloor$ steps)	fill DR (n steps)	memory read (memsize + $\lfloor \frac{memsize}{K} \rfloor$ steps)
clear	1 0 0 ... 0	0 ... 0	1 0 ... 0	0 ... 0
move	1 1 1 ... 1	0 ... 0 1 0 ... 0 1 ... 1 ... 1	0 ... 0 1 ... 1 0 ... 1 0 ... 1	0 ... 0 1 ... 0 0 ... 1 ... 0
next	0 0 0 ... 0	1 ... 1 0 1 ... 1 0 ... 0	0 ... 0 1 ... 1 0 1 ... 1 0 ... 0	1 ... 1 0 1 ... 1 0 ... 0
we	0 0 0 ... 0	1 ... 1 0 1 ... 1 0 ... 0	0 ... 0 0 ... 0	0 ... 0
D	0 1 0 1 ... 1 α α ... α α ... 0	α α ... α α ... 0	0 1 0 1 ... 1 α α ... α α ... 0	α α ... α α ... 0

FIG. 8

700

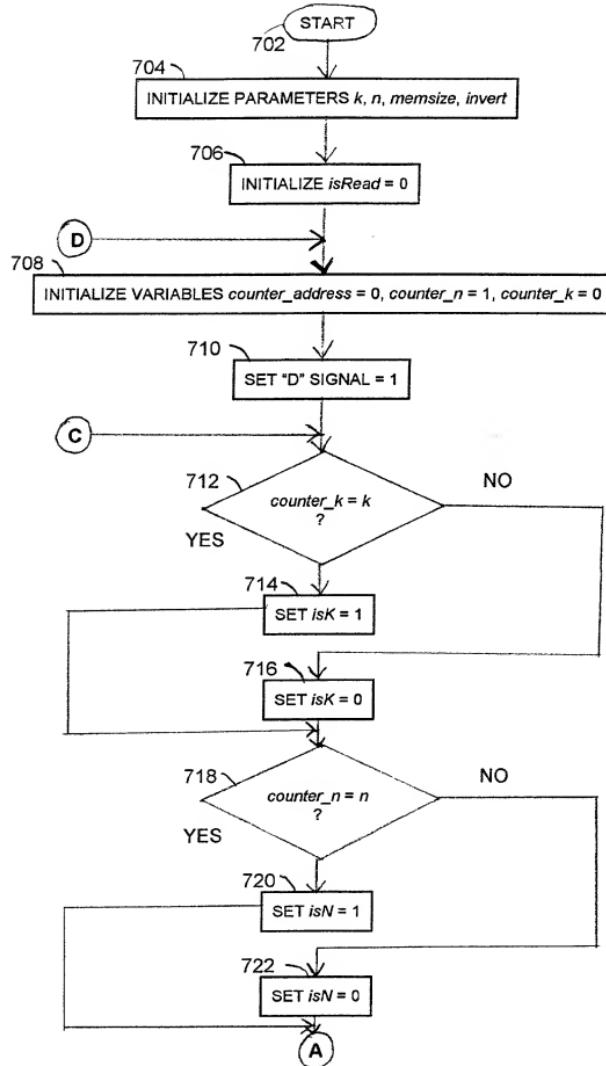


FIG. 7A

10027341-122101

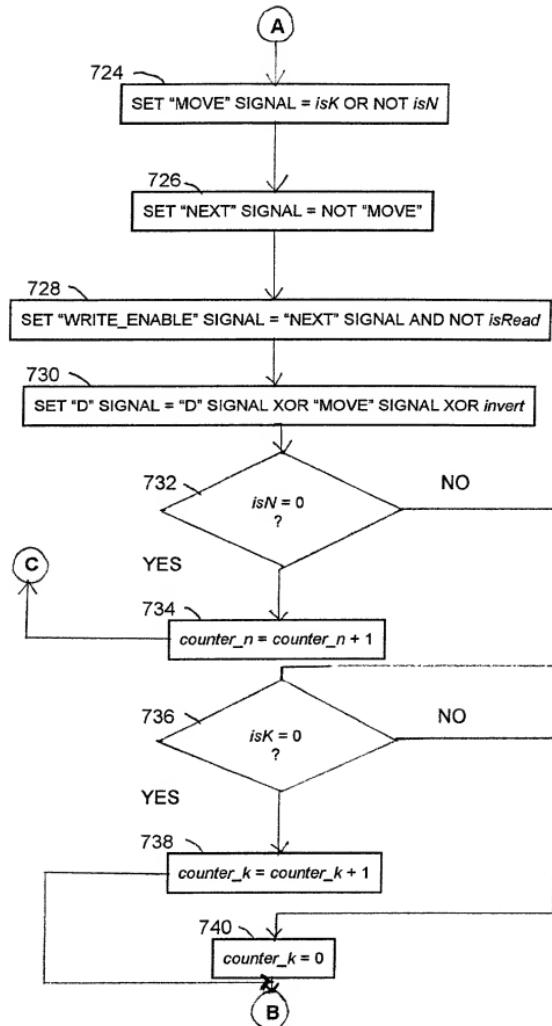


FIG. 7B

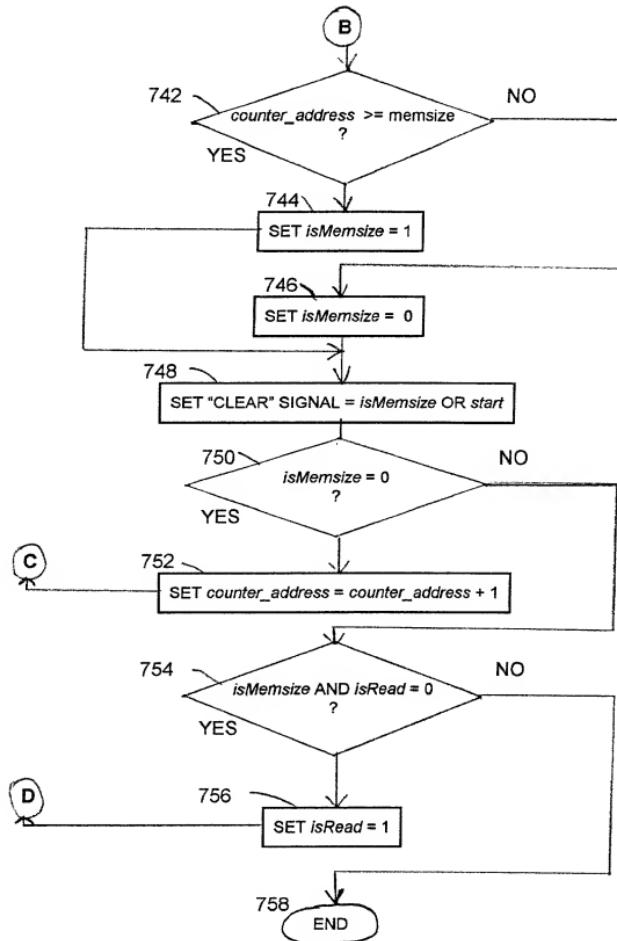


FIG. 7C